

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P457803

Luminaire Tested: **GALN-SA9A-830-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA9A-830-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28397 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



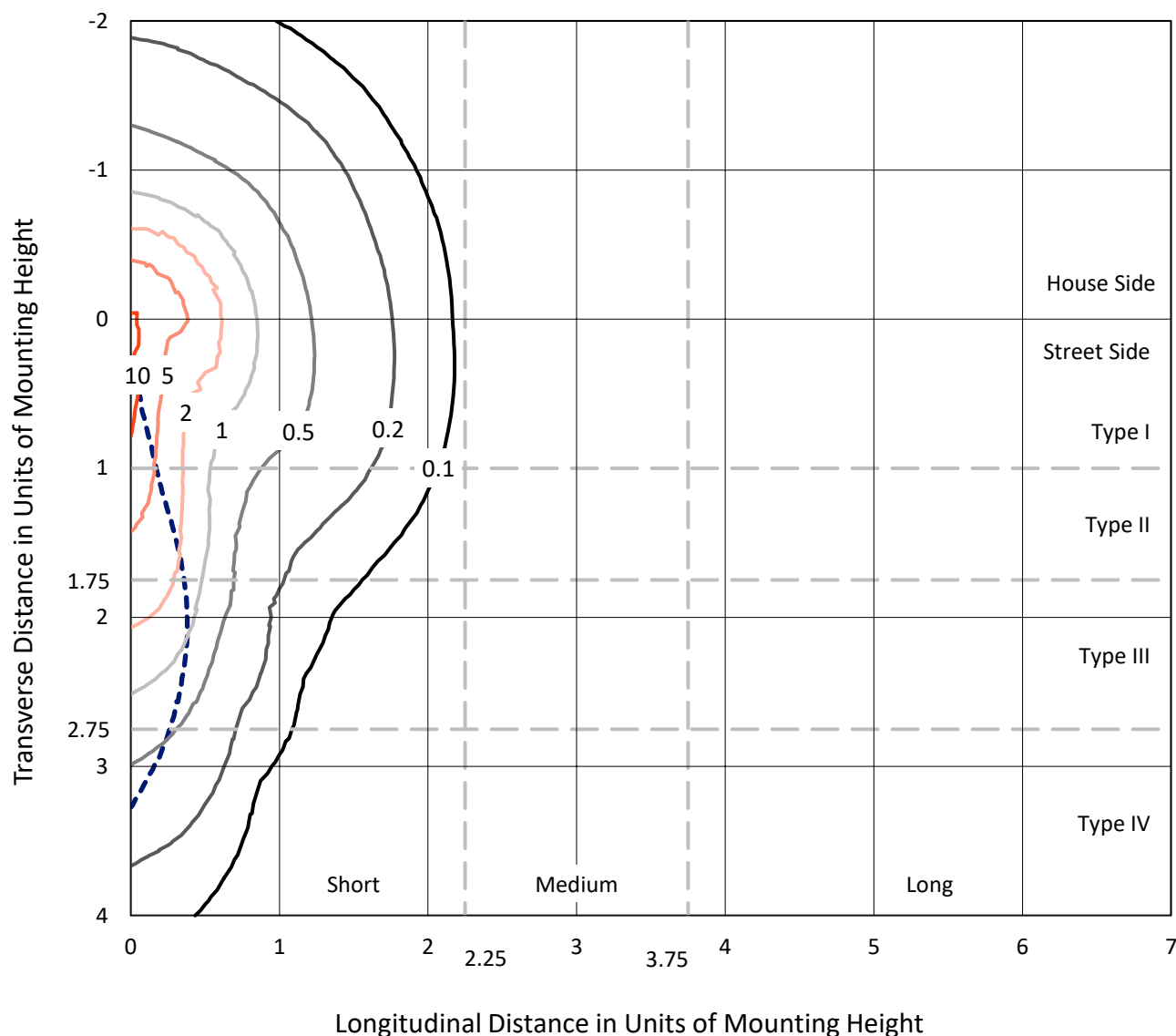
REPORT NUMBER: P457803

CATALOG NUMBER: GALN-SA9A-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



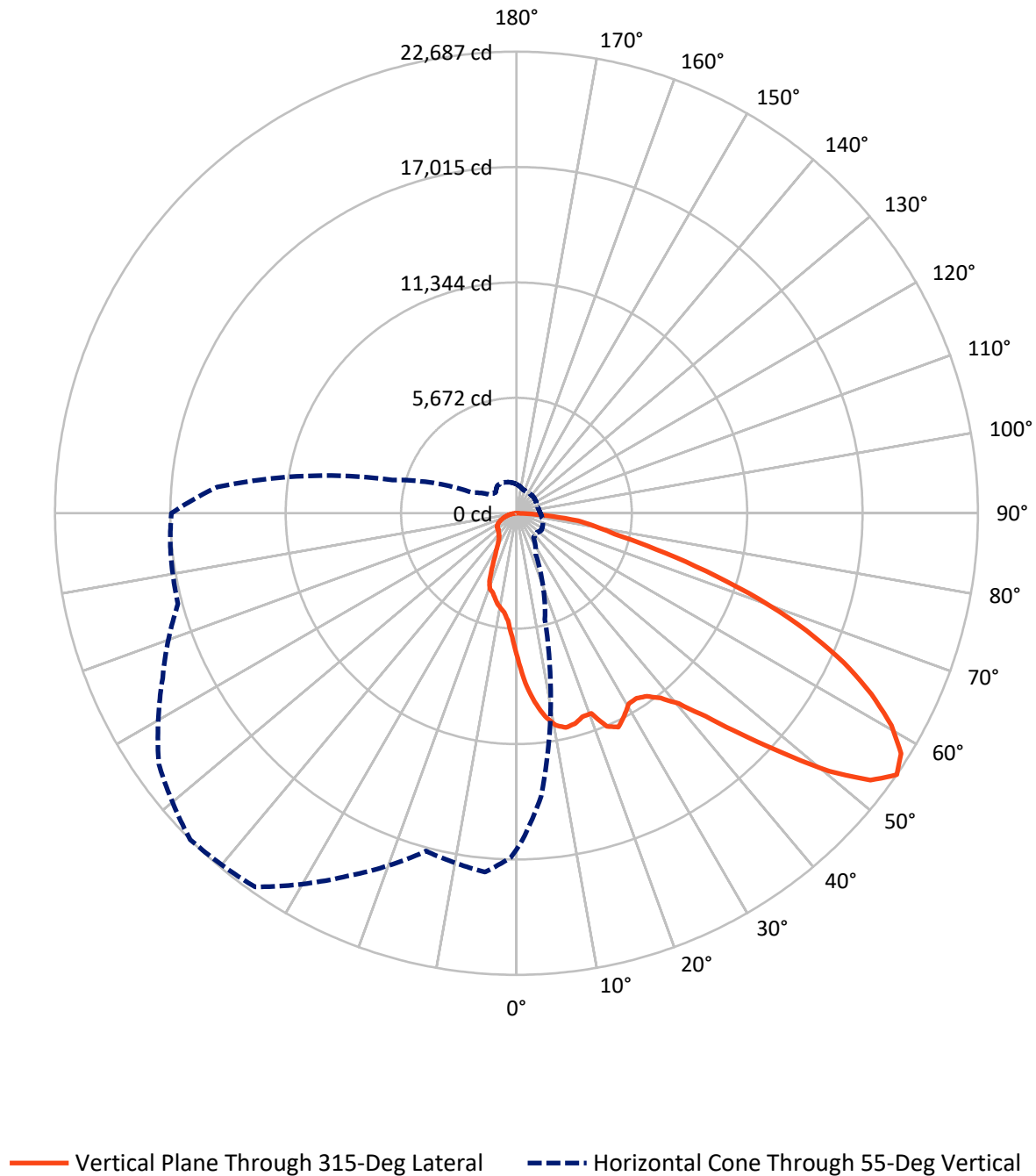
Based on 25 foot mounting height. Maximum calculated value = 12.2 fc

Type IV - Short - N/A

REPORT NUMBER: P457803

CATALOG NUMBER: GALN-SA9A-830-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P457803

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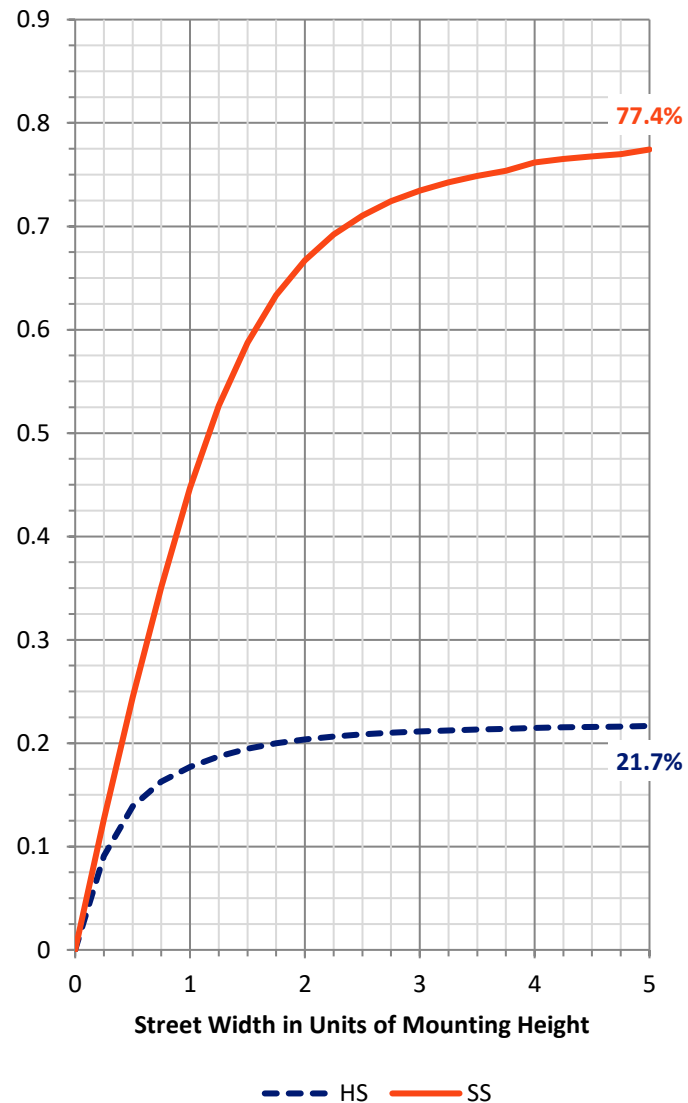
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6211.7	0.0	6211.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	22185.3	0.0	22185.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	28397.0	0.0	28397.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.0	2.1
10°-20°	1602.4	5.6
20°-30°	2768.2	9.7
30°-40°	3217.1	11.3
40°-50°	4488.5	15.8
50°-60°	6090.5	21.4
60°-70°	5794.4	20.4
70°-80°	3130.3	11.0
80°-90°	701.5	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	28397.0	100.0
0°-180°	28397.0	100.0

Coefficient of Utilization



REPORT NUMBER: P457803

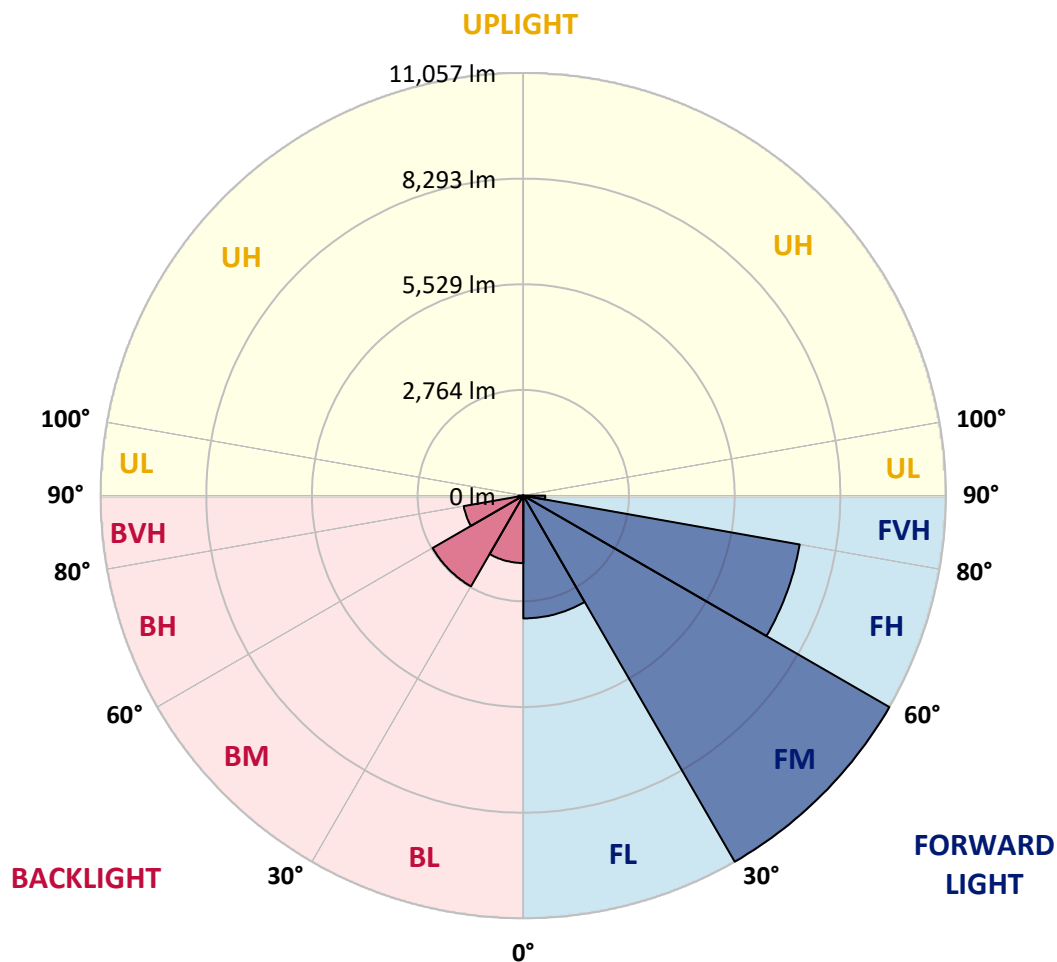
CATALOG NUMBER: GALN-SA9A-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3211.8	11.3			
FM	(30°-60°)	11057.2	38.9			
FH	(60°-80°)	7343.0	25.9			G3/7500
FVH	(80°-90°)	573.3	2.0			G4/750
BL	(0°-30°)	1762.9	6.2	B3/2500		
BM	(30°-60°)	2739.0	9.6	B3/5000		
BH	(60°-80°)	1581.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	128.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





REPORT NUMBER: P457803

CATALOG NUMBER: GALN-SA9A-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5
2.5°	7917.1	7887.2	7802.8	7581.8	7358.8	7132.2	6957.9	6740.6	6513.9	6392.2	6236.7
5°	8025.8	7992.1	7793.5	7295.1	6843.6	6369.7	5991.2	5659.6	5524.8	5326.2	5166.9
7.5°	7771.0	7756.0	7458.1	6742.5	6124.3	5504.1	5075.1	4809.1	4567.4	4477.5	4496.2
10°	7538.7	7478.7	7105.9	6171.1	5449.8	4945.9	4638.6	4378.2	4207.7	4162.8	4172.1
12.5°	7345.7	7265.2	6824.9	5787.0	5155.7	4752.9	4361.4	4089.7	3934.2	3977.3	4123.4
15°	7306.4	7197.7	6706.9	5655.9	4994.6	4475.6	4046.6	3733.8	3617.6	3711.3	3945.4
17.5°	7561.2	7424.4	6909.2	5699.0	4840.9	4192.7	3666.3	3308.5	3211.1	3360.9	3666.3
20°	8379.9	8177.5	7540.6	5948.1	4826.0	4052.2	3445.2	3085.5	3126.8	3411.5	3730.0
22.5°	9893.6	9590.1	8645.9	6311.6	4904.6	4016.6	3400.3	3212.9	3439.6	3681.3	3891.1
25°	10193.3	9955.4	8844.5	6394.0	4887.8	3992.3	3527.7	3621.3	3874.3	3994.2	3921.1
27.5°	10362.0	10090.3	8831.4	5985.6	4370.7	3621.3	3372.2	3527.7	3591.4	3475.2	3276.6
30°	10755.4	10472.5	9054.3	5556.6	3598.9	2686.5	2354.9	2291.2	2334.3	2356.8	2285.6
32.5°	11296.8	11017.7	9473.9	5275.6	3111.8	2221.9	1895.9	1806.0	1785.4	1761.0	1732.9
35°	11997.5	11568.4	9886.1	5095.7	2911.3	2055.2	1755.4	1686.1	1658.0	1624.3	1594.3
37.5°	12709.4	12259.7	10406.9	4906.5	2778.3	1939.0	1661.7	1629.9	1581.2	1545.6	1502.5
40°	13466.2	12962.3	10880.9	4741.7	2649.0	1864.1	1594.3	1590.5	1526.8	1485.6	1435.0
42.5°	14121.9	13603.0	11304.3	4640.5	2549.7	1785.4	1553.1	1564.3	1498.7	1436.9	1371.4
45°	14642.7	14133.2	11695.8	4640.5	2469.2	1706.7	1545.6	1538.1	1472.5	1395.7	1320.8
47.5°	15099.9	14573.4	12078.0	4758.5	2418.6	1641.1	1504.4	1517.5	1450.0	1352.6	1279.6
50°	15453.9	14989.3	12593.2	4942.1	2368.0	1588.7	1451.9	1523.1	1431.3	1330.1	1245.8
52.5°	15905.4	15489.5	13213.3	5193.2	2324.9	1530.6	1405.1	1523.1	1429.4	1332.0	1240.2
55°	16531.2	16092.8	13960.8	5401.1	2255.6	1476.3	1363.9	1480.0	1423.8	1322.6	1225.2
57.5°	16969.6	16641.7	14489.1	5539.7	2156.3	1406.9	1326.4	1438.8	1399.5	1287.0	1180.3
58°	16990.2	16669.8	14565.9	5571.6	2132.0	1393.8	1317.0	1420.1	1388.2	1272.1	1165.3
60°	16754.1	16478.7	14580.9	5526.6	1993.3	1328.3	1268.3	1343.3	1328.3	1184.0	1084.7
62.5°	15896.1	15601.9	13975.8	5161.3	1809.7	1247.7	1193.4	1240.2	1206.5	1060.4	968.6
65°	14676.5	14135.0	12731.8	4588.0	1678.6	1161.5	1092.2	1096.0	1060.4	955.5	874.9
67.5°	13052.2	12447.1	10779.7	3866.8	1579.3	1066.0	972.3	962.9	919.9	852.4	786.8
70°	11053.3	10639.2	8760.2	3145.5	1468.8	961.1	837.4	831.8	805.6	755.0	696.9
72.5°	8958.8	8432.3	7074.1	2517.9	1333.9	859.9	711.9	723.1	689.4	653.8	601.4
75°	6611.3	6266.6	5468.5	2019.6	1152.2	749.4	593.9	597.6	582.6	545.2	504.0
77.5°	4353.9	4250.8	3911.7	1326.4	886.1	595.8	485.2	489.0	477.7	444.0	400.9
80°	2930.0	2860.7	2650.9	854.3	592.0	430.9	374.7	378.4	376.6	341.0	282.9
82.5°	1806.0	1776.0	1708.6	577.0	410.3	309.1	247.3	258.5	279.1	239.8	193.0
85°	852.4	854.3	1032.3	314.7	241.7	198.6	134.9	144.3	144.3	144.3	108.7
87.5°	110.5	116.2	142.4	133.0	88.1	74.9	48.7	41.2	35.6	46.8	33.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P457803

CATALOG NUMBER: GALN-SA9A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5
2.5°	6182.3	6144.9	6064.3	6045.6	6034.3	6066.2	5981.9	6004.4	5966.9	6071.8	6054.9
5°	5176.3	5180.0	5245.6	5288.7	5303.7	5288.7	5232.5	5135.1	5060.1	5030.2	5037.7
7.5°	4460.6	4526.2	4638.6	4764.1	4878.4	4912.1	4880.3	4694.8	4492.5	4365.1	4323.9
10°	4222.7	4310.8	4440.0	4539.3	4640.5	4721.1	4737.9	4593.7	4353.9	4052.2	3934.2
12.5°	4235.8	4355.7	4479.4	4511.2	4501.9	4533.7	4518.7	4494.4	4337.0	3952.9	3756.2
15°	4112.2	4254.6	4340.7	4323.9	4293.9	4265.8	4226.5	4164.6	4108.4	3838.7	3621.3
17.5°	3827.4	3973.6	4044.7	4050.4	4050.4	4042.9	3947.3	3924.8	3917.3	3786.2	3653.2
20°	3879.9	3960.4	3928.6	3876.1	3891.1	3941.7	3885.5	3874.3	3917.3	3975.4	3951.1
22.5°	3909.9	3881.8	3642.0	3409.6	3357.2	3514.6	3546.4	3671.9	3846.2	4056.0	4192.7
25°	3724.4	3497.7	3068.7	2806.4	2658.4	2804.5	2995.6	3227.9	3488.3	3758.1	3917.3
27.5°	3113.6	2941.3	2634.0	2398.0	2268.7	2291.2	2454.2	2665.9	2907.6	3089.3	3205.4
30°	2345.5	2268.7	2109.5	2028.9	1950.2	1931.5	2000.8	2081.4	2188.2	2210.7	2240.6
32.5°	1727.3	1716.1	1725.4	1699.2	1684.2	1682.3	1661.7	1680.5	1691.7	1704.8	1678.6
35°	1562.4	1547.5	1521.2	1513.7	1504.4	1508.1	1498.7	1489.4	1496.9	1508.1	1515.6
37.5°	1478.1	1455.7	1418.2	1405.1	1405.1	1410.7	1395.7	1392.0	1405.1	1440.7	1459.4
40°	1412.6	1386.3	1343.3	1326.4	1337.6	1352.6	1332.0	1324.5	1356.4	1393.8	1423.8
42.5°	1350.7	1330.1	1288.9	1270.2	1279.6	1307.7	1277.7	1272.1	1313.3	1354.5	1390.1
45°	1298.3	1277.7	1240.2	1230.8	1234.6	1260.8	1240.2	1240.2	1279.6	1324.5	1356.4
47.5°	1257.1	1230.8	1206.5	1199.0	1202.7	1217.7	1214.0	1214.0	1251.5	1298.3	1330.1
50°	1215.9	1193.4	1161.5	1165.3	1174.6	1195.3	1193.4	1199.0	1236.5	1294.5	1328.3
52.5°	1197.1	1163.4	1127.8	1131.6	1159.7	1184.0	1176.5	1182.1	1225.2	1333.9	1382.6
55°	1176.5	1131.6	1090.3	1096.0	1127.8	1163.4	1154.0	1161.5	1212.1	1360.1	1427.6
57.5°	1137.2	1084.7	1039.8	1043.5	1090.3	1127.8	1112.8	1122.2	1182.1	1332.0	1403.2
58°	1120.3	1075.4	1032.3	1034.1	1079.1	1120.3	1103.5	1110.9	1172.8	1324.5	1392.0
60°	1049.1	1022.9	985.4	987.3	1030.4	1066.0	1056.6	1064.1	1124.1	1270.2	1320.8
62.5°	951.7	936.7	927.3	927.3	953.6	987.3	996.7	1006.0	1060.4	1148.4	1193.4
65°	846.8	846.8	848.7	848.7	865.5	908.6	914.2	938.6	989.2	1032.3	1066.0
67.5°	775.6	771.9	775.6	766.2	773.7	800.0	828.1	850.5	903.0	933.0	944.2
70°	683.8	681.9	683.8	670.7	680.1	702.5	721.3	758.7	813.1	835.6	841.2
72.5°	593.9	593.9	597.6	588.3	588.3	612.6	625.7	666.9	717.5	730.6	732.5
75°	500.2	505.8	505.8	492.7	496.5	511.4	528.3	562.0	608.9	618.2	618.2
77.5°	397.2	417.8	417.8	404.7	410.3	412.2	434.6	451.5	487.1	490.8	475.9
80°	288.5	309.1	326.0	314.7	324.1	312.9	326.0	337.2	372.8	356.0	331.6
82.5°	206.1	221.1	234.2	236.1	226.7	206.1	222.9	224.8	241.7	219.2	206.1
85°	114.3	127.4	144.3	136.8	121.8	108.7	114.3	118.0	116.2	110.5	103.0
87.5°	30.0	31.8	35.6	26.2	24.4	20.6	28.1	28.1	31.8	33.7	31.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P457803

CATALOG NUMBER: GALN-SA9A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5
2.5°	6068.0	6150.5	6328.5	6463.3	6628.2	6828.7	7064.7	7302.6	7559.3	7639.9	7752.3
5°	5020.8	5226.9	5313.1	5558.5	5802.0	6167.3	6557.0	7008.5	7503.1	7741.0	7969.6
7.5°	4290.2	4400.7	4490.6	4670.5	4962.7	5406.7	5895.7	6459.6	7160.3	7506.8	7842.2
10°	3896.7	3908.0	4018.5	4241.5	4496.2	4887.8	5350.5	5981.9	6763.1	7184.6	7578.0
12.5°	3636.3	3587.6	3707.5	3939.8	4228.3	4589.9	5015.2	5616.6	6476.5	6909.2	7385.1
15°	3407.8	3331.0	3420.9	3658.8	3943.6	4368.8	4826.0	5462.9	6364.1	6868.0	7396.3
17.5°	3413.4	3201.7	3233.5	3434.0	3716.9	4149.7	4704.2	5457.3	6534.5	7115.3	7741.0
20°	3834.9	3495.8	3351.6	3389.0	3662.6	4134.7	4760.4	5719.6	7094.7	7941.5	8610.3
22.5°	4248.9	4044.7	3812.4	3735.6	3885.5	4380.1	5118.2	6339.7	8312.4	9588.2	10796.6
25°	4104.7	4278.9	4220.8	4112.2	4145.9	4556.2	5361.8	6849.3	9258.5	10695.4	11830.7
27.5°	3284.1	3600.7	3664.4	3662.6	3675.7	4012.9	4822.2	6506.4	9376.5	10907.1	11991.8
30°	2308.1	2336.2	2369.9	2435.5	2495.4	2797.0	3773.1	5712.1	9324.1	11002.7	12089.3
32.5°	1665.5	1703.0	1749.8	1839.7	1982.1	2366.1	3301.0	5459.2	9601.3	11398.0	12374.0
35°	1523.1	1566.2	1611.2	1714.2	1849.1	2205.0	3113.6	5354.3	10056.6	12038.7	12885.5
37.5°	1478.1	1526.8	1566.2	1641.1	1749.8	2088.9	2943.2	5283.1	10523.1	12716.9	13571.1
40°	1446.3	1502.5	1534.3	1594.3	1669.2	1982.1	2791.4	5226.9	10974.6	13337.0	14121.9
42.5°	1418.2	1476.3	1517.5	1560.6	1622.4	1886.5	2656.5	5170.7	11366.1	13938.3	14670.9
45°	1384.5	1457.5	1510.0	1543.7	1598.0	1806.0	2553.5	5125.7	11812.0	14472.3	15225.4
47.5°	1356.4	1436.9	1502.5	1541.8	1562.4	1749.8	2471.1	5187.5	12347.8	15030.6	15740.6
50°	1358.2	1435.0	1517.5	1579.3	1525.0	1703.0	2420.5	5433.0	13044.7	15693.7	16147.1
52.5°	1418.2	1511.9	1577.4	1592.4	1472.5	1646.7	2394.2	5862.0	13869.0	16280.1	16557.4
55°	1485.6	1583.1	1654.2	1644.9	1444.4	1575.6	2388.6	6319.1	14772.0	16963.9	17091.3
57.5°	1461.3	1603.7	1712.3	1663.6	1446.3	1506.2	2364.3	6688.2	15527.0	17475.4	17619.6
58°	1453.8	1596.2	1719.8	1659.9	1440.7	1485.6	2358.7	6720.0	15631.9	17511.0	17694.6
60°	1380.7	1530.6	1714.2	1631.8	1408.8	1429.4	2296.8	6823.0	15603.8	17327.4	17739.5
62.5°	1247.7	1371.4	1584.9	1495.0	1311.4	1354.5	2158.2	6695.6	14843.2	16443.1	17082.0
65°	1097.8	1189.6	1332.0	1315.1	1172.8	1277.7	1969.0	6191.7	13320.1	15008.1	15680.6
67.5°	985.4	1060.4	1150.3	1125.9	1054.7	1174.6	1764.8	5339.3	11611.5	13284.5	14131.3
70°	871.1	929.2	974.2	957.3	934.8	1073.5	1583.1	4333.2	9974.2	11647.1	12467.7
72.5°	755.0	809.3	846.8	822.4	809.3	966.7	1435.0	3362.8	7877.8	9608.8	10663.6
75°	631.3	685.7	711.9	683.8	676.3	852.4	1215.9	2512.3	5910.7	7407.6	8318.0
77.5°	489.0	547.0	580.8	571.4	575.1	700.7	981.7	1719.8	4226.5	5048.9	6008.1
80°	342.8	406.5	429.0	419.6	445.9	533.9	693.2	1092.2	2915.1	3276.6	3952.9
82.5°	211.7	271.6	275.4	284.8	303.5	395.3	522.7	665.1	1830.3	1892.2	2383.0
85°	106.8	129.3	138.6	153.6	170.5	241.7	297.9	412.2	1178.4	891.8	1332.0
87.5°	35.6	37.5	45.0	56.2	69.3	99.3	127.4	168.6	292.3	161.1	412.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P457803

CATALOG NUMBER: GALN-SA9A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5	7126.5
2.5°	7978.9	8138.2	8254.3	8361.1	8258.1	8248.7	8147.6	7984.6	7917.1	7917.1
5°	8449.2	8822.0	9123.6	9316.6	9234.1	9035.6	8707.7	8289.9	8065.1	8025.8
7.5°	8578.4	9314.7	9874.9	10073.4	9934.8	9496.4	8868.8	8164.4	7842.2	7771.0
10°	8499.8	9457.1	10279.5	10594.3	10401.3	9738.1	8881.9	8018.3	7621.1	7538.7
12.5°	8417.3	9475.8	10354.5	10809.7	10684.2	9932.9	8977.5	7922.7	7463.8	7345.7
15°	8477.3	9483.3	10262.7	10732.9	10813.5	10167.1	9134.9	7992.1	7431.9	7306.4
17.5°	8855.7	9625.7	10131.5	10511.8	10794.7	10485.6	9582.6	8323.7	7716.7	7561.2
20°	9646.3	9966.7	10206.5	10500.6	10955.8	11135.7	10498.7	9234.1	8516.6	8379.9
22.5°	11935.6	11877.6	11386.7	11381.1	12040.6	12761.8	12718.7	11085.1	10006.0	9893.6
25°	12793.7	12523.9	11813.9	11641.5	11931.9	13044.7	12883.6	11463.5	10466.9	10193.3
27.5°	12458.3	11789.5	11323.0	11283.7	11188.1	12239.1	12626.9	11617.2	10628.0	10362.0
30°	12437.7	11454.2	10787.2	10865.9	10957.7	11961.9	12769.3	12098.6	11040.1	10755.4
32.5°	12488.3	11501.0	10826.6	10841.6	11115.1	12003.1	12926.7	12623.2	11581.6	11296.8
35°	12692.5	11767.0	11077.6	11042.0	11469.2	12272.9	13194.6	13447.5	12321.6	11997.5
37.5°	13022.2	12297.2	11536.6	11527.2	12147.3	12759.9	13528.1	14279.3	13057.8	12709.4
40°	13507.4	12917.3	12353.4	12302.8	13069.1	13552.4	13960.8	15165.4	13914.0	13466.2
42.5°	14093.8	13661.1	13430.6	13631.1	14367.4	14442.3	14635.3	15984.1	14642.7	14121.9
45°	14637.1	14616.5	14936.9	15468.9	15897.9	15448.3	15339.7	16533.0	15208.5	14642.7
47.5°	15283.5	15841.7	16808.4	17587.8	18037.4	16619.2	15941.0	16890.9	15620.7	15099.9
50°	15939.2	17308.6	18852.4	19938.9	20034.5	17891.3	16355.1	17228.1	15995.4	15453.9
52.5°	16628.6	18479.5	20534.7	21797.4	21611.9	18998.5	16756.0	17456.6	16381.3	15905.4
55°	17228.1	19197.1	21475.2	22687.3	22415.6	19672.9	17188.7	17703.9	16932.1	16531.2
57.5°	17563.4	19257.0	21241.0	22299.5	22005.3	19541.8	17387.3	17887.5	17284.3	16969.6
58°	17612.1	19176.5	21033.0	22074.7	21774.9	19431.2	17385.5	17880.0	17306.8	16990.2
60°	17569.1	18653.8	20259.3	21186.6	20871.9	18738.1	17314.3	17739.5	17022.0	16754.1
62.5°	17170.0	17747.0	18923.5	19598.0	19508.1	17655.2	17022.0	17209.4	16154.6	15896.1
65°	16645.4	16510.6	17213.1	17690.8	17758.3	16844.0	16731.6	16062.8	15041.8	14676.5
67.5°	16008.5	15109.2	15107.4	15379.0	15491.4	15596.3	16126.5	14817.0	13438.1	13052.2
70°	14927.5	12949.2	12353.4	12673.8	12580.1	13466.2	15045.5	13067.2	11504.7	11053.3
72.5°	12945.4	10275.8	9322.2	9734.4	9498.3	10560.5	13164.6	10753.5	9513.3	8958.8
75°	10493.1	7686.7	6703.1	7081.6	6935.4	8010.8	10954.0	7810.3	6823.0	6611.3
77.5°	8147.6	5569.7	4998.3	4945.9	5054.5	5961.3	8035.2	5273.7	4498.1	4353.9
80°	5234.4	3986.7	4020.4	3952.9	4009.1	3758.1	4878.4	3364.7	3046.2	2930.0
82.5°	3445.2	2778.3	3312.2	3057.4	2903.8	2527.3	3199.8	2203.2	1869.7	1806.0
85°	2347.4	2045.8	1862.2	1423.8	1676.7	1946.5	2399.9	1185.9	940.5	852.4
87.5°	1060.4	711.9	522.7	322.2	509.6	588.3	1165.3	138.6	106.8	110.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)